

General

Title

Lung cancer: percentage of patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have had brain imaging performed within 3 months prior to the initiation of treatment.

Source(s)

American College of Chest Physicians (CHEST). Quality indicators for the evaluation of patients with lung cancer: quality indicator descriptions. Glenview (IL): American College of Chest Physicians (CHEST); 2016 Dec 1. 3 p.

Measure Domain

Primary Measure Domain

Clinical Quality Measures: Process

Secondary Measure Domain

Does not apply to this measure

Brief Abstract

Description

This measure is used to assess the percentage of patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have had brain imaging performed within 3 months prior to the initiation of treatment.

Rationale

A substantial portion of patients with stage III or IV lung cancer have asymptomatic brain metastases. Similarly, lung cancer patients with neurologic symptoms have a high likelihood of having brain metastases. Identifying brain metastases prior to treatment allows for proper treatment of the metastases, which is likely to improve quality of life and may prolong survival.

Evidence for Rationale

Primary Health Components

Stage III or IV lung cancer; neurologic symptoms; brain imaging

Denominator Description

All patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have received treatment

Numerator Description

Patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have had brain imaging performed within 3 months of the initiation of treatment

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

A formal consensus procedure, involving experts in relevant clinical, methodological, public health and organizational sciences

Additional Information Supporting Need for the Measure

Unspecified

Extent of Measure Testing

Unspecified

State of Use of the Measure

State of Use

Pilot testing

Current Use

not defined yet

Application of the Measure in its Current Use

Measurement Setting

Ambulatory/Office-based Care

Professionals Involved in Delivery of Health Services

not defined yet

Least Aggregated Level of Services Delivery Addressed

Clinical Practice or Public Health Sites

Statement of Acceptable Minimum Sample Size

Unspecified

Target Population Age

Unspecified

Target Population Gender

Either male or female

National Strategy for Quality Improvement in Health Care

National Quality Strategy Aim

Better Care

National Quality Strategy Priority

Prevention and Treatment of Leading Causes of Mortality

Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Living with Illness

IOM Domain

Effectiveness

Data Collection for the Measure

Case Finding Period

Unspecified

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Clinical Condition

Therapeutic Intervention

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

All patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have received treatment

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

Numerator Inclusions/Exclusions

Inclusions

Patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have had brain imaging performed within 3 months of the initiation of treatment

Exclusions

Unspecified

Numerator Search Strategy

Fixed time period or point in time

Data Source

Electronic health/medical record

Paper medical record

Type of Health State

Does not apply to this measure

Instruments Used and/or Associated with the Measure

Unspecified

Computation of the Measure

Measure Specifies Disaggregation

Does not apply to this measure

Scoring

Rate/Proportion

Interpretation of Score

Desired value is a higher score

Allowance for Patient or Population Factors

not defined yet

Standard of Comparison

not defined yet

Identifying Information

Original Title

Percentage of patients with clinical stage III or IV lung cancer, or neurologic symptoms, who have had brain imaging performed within 3 months prior to the initiation of treatment.

Measure Collection Name

Quality Indicators for the Evaluation of Patients with Lung Cancer

Submitter

American College of Chest Physicians - Medical Specialty Society

Developer

American College of Chest Physicians - Medical Specialty Society

Funding Source(s)

The authors have reported to *CHEST* that no funding was received for this study.

Composition of the Group that Developed the Measure

A core group of specialists with an interest in the evaluation and staging of lung cancer was recruited from the Thoracic Oncology Network and Quality Improvement Committee of the American College of Chest Physicians (CHEST). The six members included three pulmonologists and three thoracic surgeons.

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Financial Disclosures/Other Potential Conflicts of Interest

The authors have reported to *CHEST* the following conflicts of interest:

Dr. Vachani has received research grants from Allegro Diagnostics Corp., Integrated Diagnostics, Inc., Genentech, and Transgenomic, Inc., and advisory board fees from Allegro Diagnostics Corp. and Genentech.

Drs. Mazzone, Chang, Detterbeck, Cooke, Howington, Dodi, and Arenberg have reported that no potential conflicts of interest exist with any companies/organizations whose products or services may be discussed in this article.

Adaptation

This measure was not adapted from another source.

Date of Most Current Version in NQMC

2016 Dec

Measure Maintenance

Unspecified

Date of Next Anticipated Revision

Unspecified

Measure Status

This is the current release of the measure.

Measure Availability

Source not available electronically.

For more information, contact the American College of Chest Physicians (CHEST) at 2595 Patriot Boulevard, Glenview, IL 60026; Phone: 224-521-9800; Fax: 224-521-9801; Web site: www.chestnet.org .

Companion Documents

The following is available:

Mazzone PJ, Vachani A, Chang A, Detterbeck F, Cooke D, Howington J, Dodi A, Arenberg D. Quality indicators for the evaluation of patients with lung cancer. *Chest*. 2014 Sep;146(3):659-69. This document is available for purchase from the [CHEST Journal Web site](#) .

NQMC Status

This NQMC summary was completed by ECRI Institute on January 23, 2017. The information was verified by the measure developer on March 2, 2017.

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For more information, contact the American College of Chest Physicians (CHEST) at 2595 Patriot Boulevard, Glenview, IL 60026; Phone: 224-521-9800; Fax: 224-521-9801; Web site: www.chestnet.org .

Production

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